

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 3 1 OCT 2003

Applicant's or agent's file reference P25946PC00/AA/kdu			FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No.			International filing date (da	ay/month/year)	Priority date (day/month/year)			
PCT/EP02/00996			30.01.2002		30.01.2002			
Intomatio	nai Paten	t Classification (IPC) or b	oth national classification and	d IPC				
	International Patent Classification (IPC) or both national classification and IPC H04B17/00							
	TIONS TITLE							
Applicant	Applicant Company of the Company of							
TELEF	TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) et al.							
1. Th	nis intern	ational preliminary exa	mination report has been	prepared by this Inte	rnational Preliminary Examining			
Au	uthority a	nd is transmitted to the	applicant according to A	rucie so.				
2. Tr	sic BEDO	ORT consists of a total	of 5 sheets, including this	s cover sheet.				
2. 11								
	This	report is also accompa	nied by ANNEXES, i.e. s	heets of the descripti	on, claims and/or drawings which have			
		andad and are the	hasis for this report and/on 607 of the Administrativ	ir sneets containing i	ecuitoationo made betere			
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		tt.ttdiantiamo r	alating to the following ite	ms.				
3. TI	his repor	t contains indications i	elating to the following ite					
1	\boxtimes	Basis of the opinion						
11		Priority			and a state of the state of			
l u	I 🗆	Non-establishment of	fopinion with regard to no	ovelty, inventive step	and industrial applicability			
1	/ 🗆	Lack of unity of inven	ition					
V	′ ⊠	Reasoned statement citations and explana	under Rule 66.2(a)(ii) wit tions supporting such sta	h regard to novelty, i tement	nventive step or industrial applicability;			
V	/i 🗆	Certain documents c	ited					
1 v	/II 🗆	Certain defects in the	e international application					
v	/III 🗆	Certain observations	on the international appli	cation				
Date of	submission	on of the demand		Date of completion of	this report			
50.00								
05.08.2003				29.10.2003				
00.00.2000					·			
Name and maining address of the international			onal	Authorized Officer	ST SO ST MOTOR			
prelimin	nary exam	ining authority:						
European Patent Office D-80298 Munich			2070 anmu d	Bodin, C-M				
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP02/00996

 Basis 	of the	report
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages							
	1-7		as originally filed						
	Cla	aims, Numbers							
	1-12	2	as originally filed						
	Dra	wings, Sheets							
	1/3-	3/3	as originally filed						
2.			lage, all the elements marked above were available or furnished to this Authority in the ternational application was filed, unless otherwise indicated under this item.						
	The	ese elements were av	vailable or furnished to this Authority in the following language: , which is:						
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).						
		the language of pub	olication of the international application (under Rule 48.3(b)).						
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under .3).						
3.	With inte	n regard to any nucl e rnational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:						
		contained in the inte	ernational application in written form.						
		filed together with th	ne international application in computer readable form.						
		furnished subseque	ntly to this Authority in written form.						
		furnished subsequently to this Authority in computer readable form.							
			the subsequently furnished written sequence listing does not go beyond the disclosure application as filed has been furnished.						
		The statement that the listing has been furn	the information recorded in computer readable form is identical to the written sequence ished.						
4.	The	amendments have r	resulted in the cancellation of:						
		the description,	pages:						
		the claims,	Nos.:						
		the drawings,	sheets:						

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5. □	This report has been established as if (some of) the amendments had not been made, since they have
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N) Yes: Claims 1-12

No: Claims

Inventive step (IS) Yes: Claims 1-12

No: Claims

Industrial applicability (IA) Yes: Claims 1-12

No: Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1 The document US-A-5 946 622 (=D1) was not cited in the international search report. A copy of the document is appended hereto.
- 2 The document D1 is regarded as being the closest prior art to the subject-matter of claim 4, and discloses (cf. Figure 2 of D1) a transmission system (120) comprising a main coupling device (230) and a network of distributed antennas (130, 160) having a cable (260, 270-300) providing a main transmission path, the main coupling device (230) being suitable for coupling the cable to one or more peripheral devices (205', 205"), each of which being suitable for transmission of one or more carrier signals, whereby the network of antennas is divided into first (130) and second (160) networks providing first (270-300) and second (260) main transmission path parts of the main transmission path respectively, the network of antennas further comprising an intermediate coupling device (250) being coupled to the first (270) and second (260) main transmission path parts.
- The feature considered to be new and inventive in view of document D1 relates to 3 the intermediate coupling device comprising splitter/combiner (31, 32) adapted to split the first and the second main transmission path parts into a first (35) and a second (36) group of intermediate paths, respectively, for transmission per group of intermediate paths of different carrier signals over different intermediate transmission paths, the intermediate coupling device further comprising a switch means (33, 42, 47) arranged to connect an intermediate path of the second group alternatively to an intermediate path of the first group or to a further peripheral device.
- 4 Advantage: An expanding of the system by adding a peripheral device may be performed without putting the system out of operation.

Article 6 PCT: 5

- The features introduced in bold in sections 2 and 3 above are considered to be necessary clarifications of claim 4 for the following reasons:
 - The subject-matter of claim 4 should make clear that the intermediate a1) coupling device is part of the network of antennas which in turn is part of the claimed transmission system, thus making clear that the intermediate coupling device is part of the transmission system.
 - a2) The subject-matter of claim 4 should make clear that the "or" in the last line of claim 4 is not dividing two optional features, but defining two alternative positions of a switching means.
 - a3) Since claim 4 relates to an apparatus, and not to a method, the features should be defined as apparatus features.
- Corresponding amendments, except a3), apply to method claim 1. b)
- In the claims, "antenna's" should have been replaced by "antennas". c)
- d) The cable referred to in claims 1 and 4 should have been given the reference signs "(17, 18)", and not "(7)".
- The preamble of claims 1 and 4 should have reflected the features which are 6 diclosed in D1, see above in section 2.
- Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art 7 disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.